FIRE
INSPECTION

CUSTOMER: D.Y.S DATE: 9/22/05 INSPECTOR: JACK

MONTHLY INSPECTION OF FIRE EXTINGUISHER.

	SERIAL NUMBER#	Location	Proper location	Access/ Visibility	Operating Instr.Label	Tamper Seal	Weight	Damage/ Corrosion	Nozzle/ Hose	Gauge	HMIS Label
1	SP-787225	HALL WAY.	/	/	/	/	/	/	/	/	/
2	SP-784059	HALL WAY.	/	/	/	/	/	/	/	/	/
3	SP-784088	HALL WAY.	/	/	/	/	/	/	/	/	/
4	SN-821604	KITCHEN.	/	/	/	/	/	/	/	/	/
5	SP-784079	LIBRARY.	/	/	/	/	/	/	/	/	/
6	SP-784064	WEIGHTS ROOM.	/	/	/	/	/	/	/	/	/
7	SP-784062	CLASS ROOM A.	/	/	/	/	/	/	/	/	/
8	SP-784089	CLASS ROOM B.	/	/	/	/	/	/	/	/	/
9	SP-784052	HOUSING A MALE.	/	/	/	/	/	/	/	/	/
10	SP-784051	HOUSING A MALE.	/	/	/	/	/	/	/	/	/
11	SP-784080	HOUSING A MALE.	/	/	/	/	/	/	/	/	/
12	SP-784075	HOUSING A F.	/	/	/	/	/	/	/	/	/
13	SP-784093	HOUSING A F.	/	/	/	/	/	/	/	/	/
14	SP-784091	HOUSING A F.	/	/	/	/	/	/	/	/	/
15	SN-821590	METTING ROOM.	/	/	/	/	/	/	/	/	/
16	SN-821588	RECEPTION.	/	/	/	/	/	/	/	/	/
17	SP-784061	VISITING ROOM.	/	/	/	/	/	/	/	/	/
18	SN-821601	GENERATOR ROOM.	/	/	/	/	/	/	/	/	/
19	SN-821602	BOILER ROOM	/	/	/	/	/	/	/	/	/
20	SP-784065	GARD ROOM.	/	/	/	/	/	/	/	/	/
21	SN-821605	GENERATOR ROOM.	/	/	/	/	/	/	/	/	/
22	MV-080677	20LBS	/								
23	MV-080720	20LBS	/								
24	MV-080724	20LBS	/								
25	MV-080697	20LBS	/								
26	MV-080688	20LBS	/								
27	MV-080658	20LBS	/								
28	MV-080684	20LBS	/								
29											
30											
31											
32											

CUSTOMER: D.Y.S DATE: 8/24/05 INSPECTOR: JACK

MONTHLY INSPECTION OF FIRE EXTINGUISHER.

	SERIAL NUMBER#	Location	Proper location	Access/ Visibility	Operating Instr.Label	Tamper Seal	Weight	Damage/ Corrosion	Nozzle/ Hose	Gauge	HMIS Label
1	SP-787225	HALL WAY.	/	/	/	/	/	/	/	/	/
2	SP-784059	HALL WAY.	/	/	/	/	/	/	/	/	/
3	SP-784088	HALL WAY.	/	/	/	/	/	/	/	/	/
4	SN-821604	KITCHEN.	/	/	/	/	/	/	/	/	/
5	SP-784079	LIBRARY.	/	/	/	/	/	/	/	/	/
6	SP-784064	WEIGHTS ROOM.	/	/	/	/	/	/	/	/	/
7	SP-784062	CLASS ROOM A.	/	/	/	/	/	/	/	/	/
8	SP-784089	CLASS ROOM B.	/	/	/	/	/	/	/	/	/
9	SP-784052	HOUSING A MALE.	/	/	/	/	/	/	/	/	/
10	SP-784051	HOUSING A MALE.	/	/	/	/	/	/	/	/	/
11	SP-784080	HOUSING A MALE.	/	/	/	/	/	/	/	/	/
12	SP-784075	HOUSING A F.	/	/	/	/	/	/	/	/	/
13	SP-784093	HOUSING A F.	/	/	/	/	/	/	/	/	/
14	SP-784091	HOUSING A F.	/	/	/	/	/	/	/	/	/
15	SN-821590	METTING ROOM.	/	/	/	/	/	/	/	/	/
16	SN-821588	RECEPTION.	/	/	/	/	/	/	/	/	/
17	SP-784061	VISITING ROOM.	/	/	/	/	/	/	/	/	/
18	SN-821601	GENERATOR ROOM.	/	/	/	/	/	/	/	/	/
19	SN-821602	BOILER ROOM	/	/	/	/	/	/	/	/	/
20	SP-784065	GARD ROOM.	/	/	/	/	/	/	/	/	/
21	SN-821605	GENERATOR ROOM.	/	/	/	/	/	/	/	/	/
22	MV-080677	20LBS	/								
23	MV-080720	20LBS	/								
24	MV-080724	20LBS	/								
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26	MV-080688	20LBS	/								
27	MV-080658	20LBS	/								
28	MV-080684	20LBS	/								
29											
30											
31											
32											

CUSTOMER: D.Y.S DATE: 7/20/15 INSPECTOR: JACK

MONTHLY INSPECTION OF FIRE EXTINGUISHER.

	SERIAL NUMBER#	Location	Proper location	Access/ Visibility	Operating Instr.Label	Tamper Seal	Weight	Damage/ Corrosion	Nozzle/ Hose	Gauge	HMIS Label
1	SP-787225	HALL WAY.	/	/	/	/	/	/	/	/	/
2	SP-784059	HALL WAY.	/	/	/	/	/	/	/	/	/
3	SP-784088	HALL WAY.	/	/	/	/	/	/	/	/	/
4	SN-821604	KITCHEN.	/	/	/	/	/	/	/	/	/
5	SP-784079	LIBRARY.	/	/	/	/	/	/	/	/	/
6	SP-784064	WEIGHTS ROOM.	/	/	/	/	/	/	/	/	/
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9	SP-784052	HOUSING A MALE.	/	/	/	/	/	/	/	/	/
10	SP-784051	HOUSING A MALE.	/	/	/	/	/	/	/	/	/
11	SP-784080	HOUSING A MALE.	/	/	/	/	/	/	/	/	/
12	SP-784075	HOUSING A F.	/	/	/	/	/	/	/	/	/
13	SP-784093	HOUSING A F.	/	/	/	/	/	/	/	/	/
14	SP-784091	HOUSING A F.	/	/	/	/	/	/	/	/	/
15	SN-821590	METTING ROOM.	/	/	/	/	/	/	/	/	/
16	SN-821588	RECEPTION.	/	/	/	/	/	/	/	/	/
17	SP-784061	VISITING ROOM.	/	/	/	/	/	/	/	/	/
18	SN-821601	GENERATOR ROOM.	/	/	/	/	/	/	/	/	/
19	SN-821602	BOILER ROOM	/	/	/	/	/	/	/	/	/
20	SP-784065	GARD ROOM.	/	/	/	/	/	/	/	/	/
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24	MV-080724	20LBS	/								
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26	MV-080688	20LBS	/								
27	MV-080658	20LBS	/								
28	MV-080684	20LBS	/								
29											
30											
31											
32											

Automatic Sprinkler Systems

Quarterly Inspection and Tests

Year: 2005 **System:** wet sprinkler w/ fire pump

Location: Hagman Juvenile Det. Center

Y = Satisfactory N = Unsatisfactory (explain below)

Date	4/12	7/12		
Inspector	RP	RP		
Main Drain Test Record the static water supply pressure in psi (bar) as indicated on the lower pressure gauge. Open the main drain and allow water flow to stabilize. Record the residual water supply pressure while water is flowing from the 2-in. (51-mm) main drain as indicated on the lower pressure gauge in psi (bar). Close the main drain (slowly).				
Fire Department Connections Verify connection is visible and accessible, not damaged, caps or plugs are in place, identification sign is in place, and automatic drain is working properly.	Y	Y		
Wet Pipe System Flow Alarm Test water-flow alarms by opening the inspector's test valve. (Notify alarm company to avoid false alarms.)	Y	Y		
Dry Pipe Priming Level Check dry priming water level by opening the test valve and checking for a small amount of water to discharge. If no water flows out of the test line, add priming water.				
Dry Pipe System Low-Air-Pressure Alarm Close the water supply valve and *carefully* open inspector's test valve to reduce air pressure *slowly*. (Do not reduce air pressure sufficiently to trip the dry pipe valve.) Confirm operation of low-pressure alarm, record air pressure at which low-pressure alarm activated, close inspector test, allow air pressure to rise to normal, then open water supply valve.				
Dry Pipe System Flow Alarm Open the alarm bypass valve. (Notify alarm company to avoid false alarms.)				
Quick-Opening Device Test in accordance with manufacturer's instructions.				
Preaction System Flow Alarm Open the alarm bypass valve. (Notify alarm company to avoid false alarms.)				
Deluge System Flow Alarm Open the alarm bypass valve. (Notify alarm company to avoid false alarms.)				
Control Valves Close valves and reopen until spring or tension is felt—back valve 1/4 turn.	Y	Y		
Hydraulic Nameplate If system was hydraulically calculated, assure nameplate is legible and securely attached to riser.	Y	Y		
Notes Record any notes about the system that the inspector believes to be significant. Place a number in this block and number the corresponding note on the reverse of this form.	1.	1. 2. 3. 4.		

POWELL FIRE SPRINKLER SERVICES
P.O. BOX 505042 SAIPAN MP 96950
234-0367 788-9960
rwarrenpowell@yahoo.com

SPRINKLER SYSTEM MAINTENANCE LOG
KAGMAN JUVENILE DETENTION CENTER

Date:07-12-05

FIRE PUMP: (ON) OFF

START PRESSURE: 50 psi. TIMES STARTED: 1

STOP: manual

JOCKEY PUMP: (ON) OFF

START PRESSURE: 80 psi. TIMES STARTED: 4

STOP: 100 psi.

INSP. TEST VALVE FLOW SWITCH TIMES:

MAINT. ADMIN. ED. BLDGS. TIME: 35 seconds

HOUSING 1st FLOOR TIME: 72 seconds

HOUSING 2nd FLOOR TIME: 45 seconds

WATER MOTOR ALARM TIME: N/A

PRESSURE SWITCH TIME: 10 seconds

ELEC. BELL FUNCTIONING: YES (NO)

PRESSURE RELIEF VALVE SETTING: 150 psi. TIMES TRIPPED: 0

OS&Y VALVES LUBRICATED: YES (NO)

FIRE PUMP PACKING ADJUSTED: YES (NO)

FIRE PUMP RUN THROUGH TEST LINE: YES (NO)

TAMPER SWITCHES FUNCTIONING: N/A

DATE: 7-12-05 TECHNICIAN: r. powell

NOTES:
1.water motor alarm not functioning, electric bell not functioning.2. generator starts when fire pump is shut off. 3. alarm time on housing 1st floor flow switch over 60 seconds. 4.ground faults in alarm system.

Figure 10-1(a) Contractor's material and test certificate for aboveground piping.

Contractor's Material and Test Certificate for Aboveground Piping

PROCEDURE
Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job.

A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners, and contractor. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances.

Property name: KAGMAN DETENTION FACILITY Date: 8-24-05

Property address: KAGMAN, SAIPAN CNMI

Plans

Accepted by approving authorities (names): SAIPAN

Address:

Installation conforms to accepted plans: [X] Yes [ ] No

Equipment used is approved: [X] Yes [ ] No

If no, explain deviations:

Instructions

Has person in charge of fire equipment been instructed as to location of control valves and care and maintenance of this new equipment? [X] Yes [ ] No

If no, explain?

Have copies of the following been left on the premises?

1. System components instructions [X] Yes [ ] No
2. Care and maintenance instructions [X] Yes [ ] No
3. NFPA 25 [X] Yes [ ] No

Location of system: Supplies buildings

Sprinklers

Make	Model	Year of manufacture	Orifice size	Quantity	Temperature rating
STAR	INST.	1	1/2		165
STAR			1/2		165

Pipe and fittings

Type of pipe _____

Type of fittings _____

Alarm valve or flow indicator

Alarm device			Maximum time to operate through test connection	
Type	Make	Model	Minutes	Seconds
PRESSURE SWITCH				60

Dry pipe operating test

NA

Dry valve			Q. O. D.		
Make	Model	Serial no.	Make	Model	Serial no.

	Time to trip through test connection[1]		Water pressure	Air pressure	Trip point air pressure	Time water reached test outlet[1]		Alarm operated properly	
	Minutes	Seconds	psi	psi	psi	Minutes	Seconds	Yes	No
Without Q.O.D.									
With Q.O.D.									

If no, explain

[1] Measured from time inspector's test connection is opened

Figure 10-1(a) ***(Continued)***

Deluge and preaction valves

NA

Operation ☐ Pneumatic ☐ Electric ☐ Hydraulics

Piping supervised ☐ Yes ☐ No | Detecting media supervised ☐ Yes ☐ No

Does valve operate from the manual trip, remote, or both control stations? ☐ Yes ☐ No

Is there an accessible facility in each circuit for testing? ☐ Yes ☐ No | If no, explain

Make	Model	Does each circuit operate supervision loss alarm? Yes	No	Does each circuit operate valve release? Yes	No	Maximum time to operate release: Minutes	Seconds

Pressure reducing valve test

NA

Location and floor	Make and model	Setting	Static pressure: Inlet (psi)	Static pressure: Outlet (psi)	Residual pressure (flowing): Inlet (psi)	Residual pressure (flowing): Outlet (psi)	Flow rate: Flow (gpm)

Test description

Hydrostatic: Hydrostatic tests shall be made at not less than 200 psi (13.6 bar) for 2 hours or 50 psi (3.4 bar) above static pressure in excess of 150 psi (10.2 bar) for 2 hours. Differential dry-pipe valve clappers shall be left open during the test to prevent damage. All aboveground piping leakage shall be stopped.

Pneumatic: Establish 40 psi (2.7 bar) air pressure and measure drop, which shall not exceed 1½ psi (0.1 bar) in 24 hours. Test pressure tanks at normal water level and air pressure and measure air pressure drop, which shall not exceed 1½ psi (0.1 bar) in 24 hours.

Tests

All piping hydrostatically tested at 200 psi (___ bar) for 2 hours | If no, state reason

Dry piping pneumatically tested ☐ Yes ☐ No

Equipment operates properly ☒ Yes ☐ No

Do you certify as the sprinkler contractor that additives and corrosive chemicals, sodium silicate or derivatives of sodium silicate, brine, or other corrosive chemicals were not used for testing systems or stopping leaks? ☒ Yes ☐ No

Drain test | Reading of gauge located near water supply test connection: 100 psi (___ bar) | Residual pressure with valve in test connection open wide: 100 psi (___ bar) PUMP

Underground mains and lead in connections to system risers flushed before connection made to sprinkler piping 03

Verified by copy of the U Form No. 85B ☒ Yes ☐ No | Other | Explain

flushed by installer of underground sprinkler piping ☐ Yes ☐ No

If powder-driven fasteners are used in concrete, has representative sample testing be satisfactorily completed? ☒ Yes ☐ No | If no, explain

Blank testing gaskets

Number used	Locations	Number removed
0		

Welding

Welding piping ☒ Yes ☐ No

If yes. . .

Do you certify as the sprinkler contractor that welding procedures comply with the requirements of at least AWS B2.1? ☒ Yes ☐ No

Do you certify that the welding was performed by welders qualified in compliance with the requirements of at least AWS B2.1? ☒ Yes ☐ No

Do you certify that the welding was carried out in compliance with a documented quality control procedure to ensure that all discs are retrieved, that openings in piping are smooth, that slag and other welding residue are removed, and that the internal diameters of piping are not penetrated? ☒ Yes ☐ No

Cutouts (discs)

Do you certify that you have a control feature to ensure that all cutouts (discs) are retrieved? ☒ Yes ☐ No

Figure A-11-2.6.3(f) Pump acceptance test data. *(Courtesy of Factory Mutual Research Corp.)*

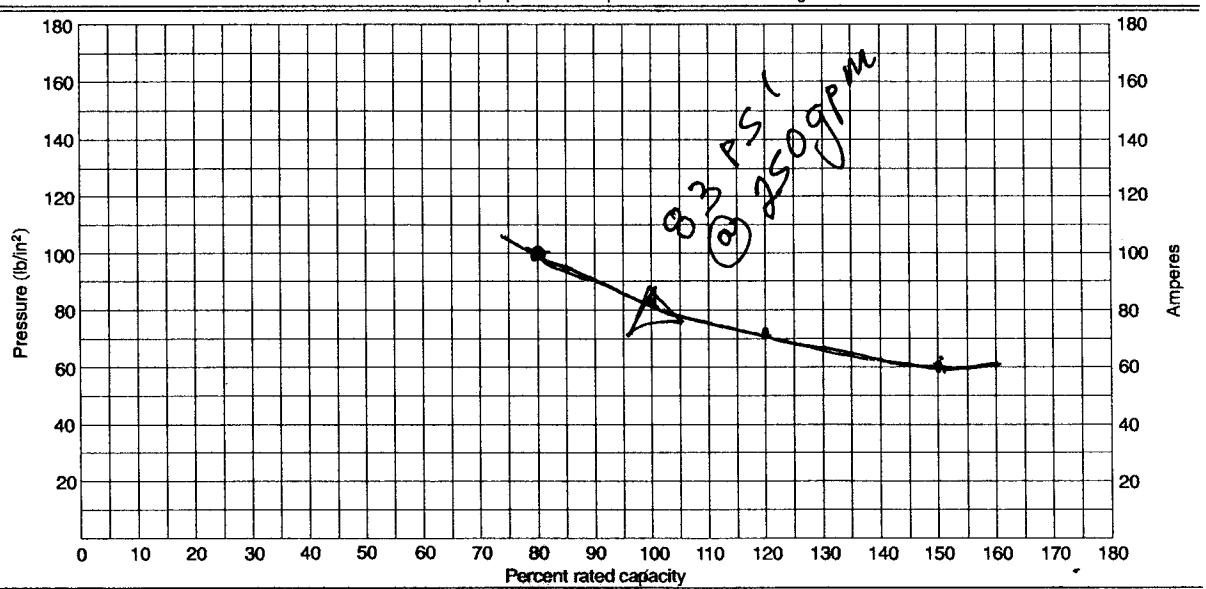
PUMP ACCEPTANCE TEST DATA Refer to P & P F(A) – 512.12 & DS 3 – 7N

PROPERTY OF	KAGMAN VEHICLE DET. FAC			INDEX NO.	DIST. OFFICE	
ADDRESS				TESTED BY	DATE	8-24-05
CITY	KAGMAN	STATE	SAIPAN CNMI	PLACO	CODE	
SUBJECT			CONFERRED WITH			

PUMP	SHAFT ☐ HORIZONTAL ☒ VERTICAL	MANUFACTURER FLOWAY	APPROVED ☒ YES ☐ NO	SHOP OR SERIAL NO.	MODEL OR TYPE	
	RATED GPM 250	RATED HEAD-FT. (psi) 83	RATED RPM 1765	SUCTION FROM TANK	TANK SIZE 50,000	TANK HEIGHT 14
IF VERTICAL TYPE	VERTICAL DIST. DISCH. GAUGE TO WATER LEVEL: STATIC FT / PUMPING FT	RIGHT-ANGLE GEAR DRIVE: MANUFACTURER	SHOP OR SERIAL NO.	APPROVED ☐ YES ☐ NO		
		MODEL OR TYPE	PERFORMANCE ☐ SMOOTH ☐ ROUGH			
DRIVER	MANUFACTURER US MOTORS	APPROVED ☒ YES ☐ NO	SHOP OR SERIAL NO.	MODEL OR TYPE VERT.	RATED H.P. 26	RATED RPM 1765
	☒ ELECTRIC MOTOR	RATED VOLT. 460	OPERATING VOLT. 460	RATED F.L. AMPS 32	AMPS AT 150% 36	PHASE 3 / CYCLES 60 / SERVICE FACTOR 1.15
	☐ DIESEL ENGINE ☐ GASOLINE ENGINE ☐ GAS ENGINE ☐ STEAM TURBINE	☐ PRESS. GOVERNOR BUILT IN	☐ INDEPENDENT	☐ TURBINE STEAM PRESS		
CONTROLLER	MANUFACTURER MASTER	APPROVED ☒ YES ☐ NO	SHOP OR SERIAL NO.	MODEL OR TYPE		
	START 50 psi ☐ MANUAL ☒ PRESS DROP ☒ WATER FLOW ☐ AUTO	STOP ____ psi ☒ MANUAL ☐ AUTO	JOCKEY PUMP ☒ YES ☐ NO ON 80 psi OFF 100 psi			

SPEED RPM	DISCHARGE PRESSURE PSI	SUCTION PRESSURE PSI	NET HEAD PSI	STREAMS NO.	STREAMS SIZE	STREAMS PITOT PRESSURE	GALLONS PER MINUTE	PERCENT OF RATED CAPACITY	VOLTS	AMPS	STEAM PRESSURE THROTTLE	STEAM PRESSURE CHEST
1797	100	—					0	0%	460	17.6		
1760	90	-					200	80	↓	28.1		
↓	83						250	100		29.2		
	76						300	120		30.2		
	62						373	150	↓	31.4		

Readings marked (+) in suction column are heads above atmosphere, those marked (–) are lifts.
For vertical shaft pumps omit suction pressure and net head readings.



Plot discharge pressure and net head curves for horizontal shaft pump. For vertical shaft pump, plot discharge pressure curve. For electric-driven pump, plot ampere curve also.

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COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS PROFESSIONAL MECHANICAL ENGINEER LICENSE NO. 506 MARY LANSING

8-24-05

Figure 10-1(a) *(Continued)*

Hydraulic data nameplate	Nameplate provided ☒ Yes ☐ No	If no, explain
Remarks	Date left in service with all control valves open 8-24-2005	
Signatures	Name of sprinkler contractor RUSS POWELL FIRE SPRINKLER SERVICES	
	Tests witnessed by	
	For property owner (signed) Title Date	
	For sprinkler contractor (signed) Mary Lansing PE Title Date 8-24-05	
Additional explanations and notes		

COMMONWEALTH OF THE NORTHERN MARIANAS ISLANDS
PROFESSIONAL ENGINEER
LICENSE NO. 306
MARY LANSING

8-24-2005